



September 22, 2023

Validity: 60 days

Minimum Technical Requirements for
Hematology Analyzer, Fully Automated

Page | 1

PRODUCT SPECIFICATIONS

- Throughput
 - Up to 100 sample/hour
- Mode of analysis
 - Whole blood
 - Pre-dilution
 - Low WBC
 - Body fluid
 - HPC
 - HsA
- Sample volume aspiration
 - Less than 90µL in all modes
- Parameters
 - WBC – white blood cell
 - RBC – red blood cell
 - HGB – hemoglobin concentration
 - HCT – hematocrit
 - MCV – mean corpuscular volume
 - MCH – mean corpuscular hemoglobin
 - MCHC – mean corpuscular hemoglobin concentration
 - PLT(PLT-I) – platelet count
 - MPV – mean platelet volume
 - PDW – platelet distribution width
 - PCT – plateletcrit
 - P-LCR – platelet cell ratio
 - NRBC% - nucleated red blood cell percent
 - NRBC# - nucleated red blood cell count
 - RDW-SD – red cell distribution width (coefficient of deviation)
 - RDW-CV – red cell distribution width (coefficient of variation)
 - NEUT% - neutrophil percent
 - LYMPH% - lymphocyte percent
 - MONO% - monocyte percent
 - EO% - eosinophil percent
 - BASO% - Basophil percent
 - IG% - immature granulocyte percent
 - NEUT# - neutrophil count
 - LYMP# - lymphocyte count
 - MONO# - monocyte count
 - EO# - eosinophil count



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- BASO# - basophil count
- IG# - immature granulocyte count
- RET-he – reticulocyte hemoglobin equivalent
- IPF – immature platelet fraction
- IRF – immature reticulocyte fraction
- Mode of analysis
 - Whole blood
 - Low WBC
 - Pre-Dilution
 - Body fluid
 - HPC
 - has
- capable of CAPD fluid (continuous ambulatory peritoneal dialysis)
- Data storage capacity
 - 100,000 samples
 - Maintenance history: 5,000 records
- RFID coded reagent for inventory management
- Quality control
 - X-bar control (L-J control) : 300 plots x 94 files
 - X-barM control : 300 plots x 5 files
- Power supply
 - 220 – 240 Vac
 - Not more than 300 VA
- Standard compliance
 - IEC61010-1:2001 or its equivalent
 - IEC61010-2-081:2001+A1 or its equivalent
 - IEC61010-2-101:2002 or its equivalent

Page | 2

STANDARD ACCESSORIES:

- Computer with printer
- Online Uninterruptible power supply
- Free LIS (Laboratory Information System) Installation

STANDARD REQUIREMENTS UPON SUBMISSION OF BIDDING DOCUMENTS

- Soft copy of user manual

REQUIREMENT/S IF AWARDED THE CONTRACT

- Manual in English Language
 - 2 copy of Operation manual (Hard copy)
 - Service manual with soft copy
- Training Program
 - for end-user on equipment's operation with certificate
 - Technical training with certificate (When necessary)



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- Three (3) years warranty on parts and service after commissioning and acceptance
- Certification on the availability of spare parts for the next 5 years
- Down time of machine will be added as extension of the warranty.
- With calibration certificate (When necessary)
- **Section V. Special Conditions of the Contract**
 - Delivery Place: Margosatubig Regional Hospital, Zamboanga del Sur
- **Section VI Schedule of Requirements**
 - Completion/Delivery Period: ___ calendar days upon receipt of the Notice to Proceed including the delivery, installation, testing and commissioning, Partial delivery allowed within the completion/delivery period.

Page | 3

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